

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142634.D
 Acq On : 05 Jun 2025 15:06
 Operator : RC/JU
 Sample : Q2199-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 15:52:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

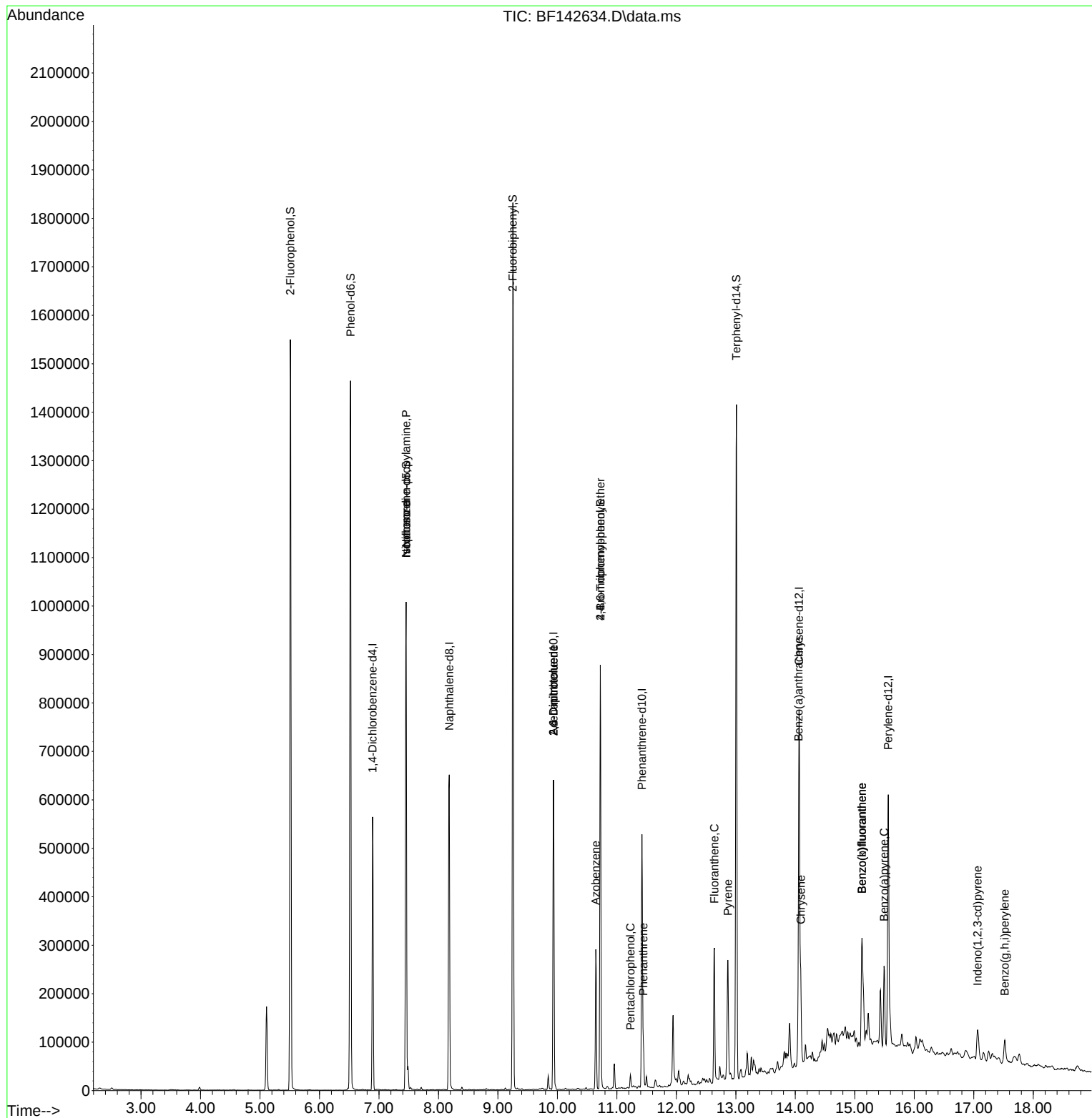
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	123734	20.000	ng	-0.01
21) Naphthalene-d8	8.180	136	430801	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	190585	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	267490	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	290749	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	308038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	610336	83.103	ng	0.00
7) Phenol-d6	6.522	99	714762	80.848	ng	-0.01
23) Nitrobenzene-d5	7.457	82	428137	54.192	ng	-0.02
42) 2,4,6-Tribromophenol	10.721	330	153155	72.405	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	825150	58.097	ng	-0.02
79) Terphenyl-d14	13.010	244	692894	32.567	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	58483	10.674	ng	# 76
25) Isophorone	7.457	82	397251	30.074	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	24912	9.178	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	24912	7.028	ng	# 28
63) Azobenzene	10.645	77	68454	6.205	ng	# 1
67) 4-Bromophenyl-phenylether	10.721	248	9354	2.957	ng	# 1
70) Pentachlorophenol	11.227	266	5304	2.686	ng	94
71) Phenanthrene	11.445	178	46246	3.235	ng	99
75) Fluoranthene	12.639	202	164871	12.343	ng	99
78) Pyrene	12.868	202	152206	5.612	ng	97
81) Benzo(a)anthracene	14.057	228	123096	6.340	ng	97
83) Chrysene	14.092	228	95826	5.493	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	46359	2.005	ng	96
88) Benzo(b)fluoranthene	15.121	252	203475	11.161	ng	# 96
89) Benzo(k)fluoranthene	15.121	252	203475	11.916	ng	# 95
90) Benzo(a)pyrene	15.492	252	106030	6.170	ng	# 96
92) Benzo(g,h,i)perylene	17.521	276	40658	2.167	ng	96

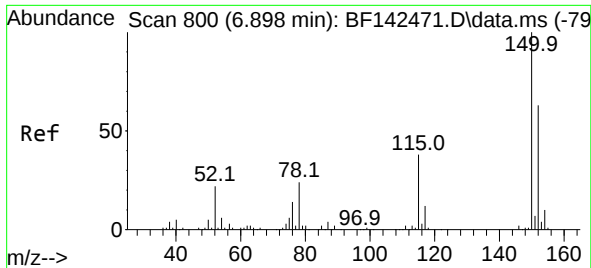
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
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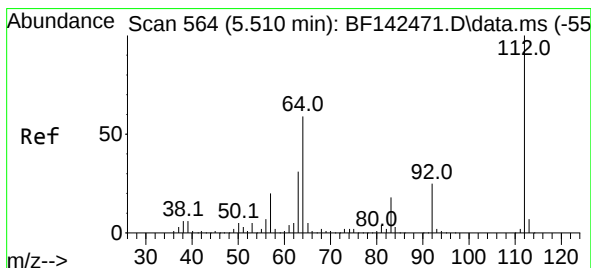
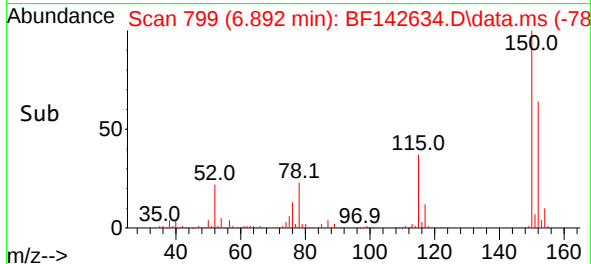
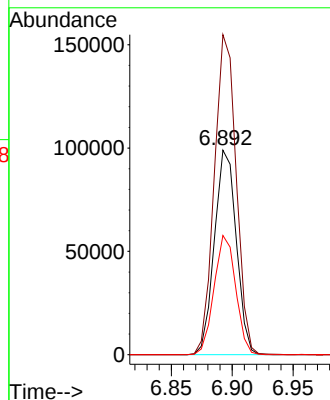
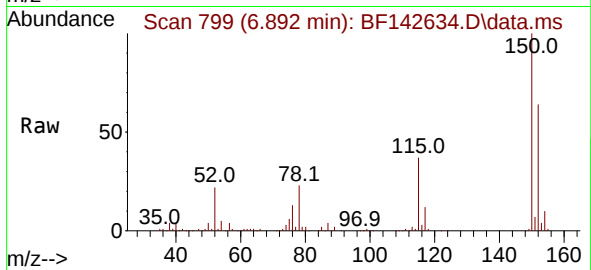




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

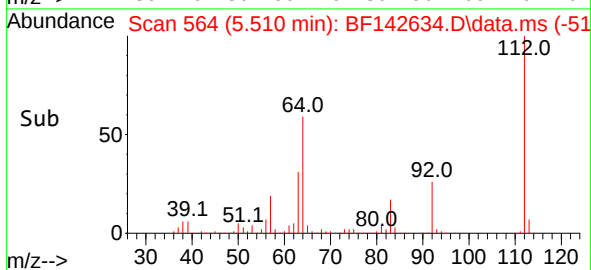
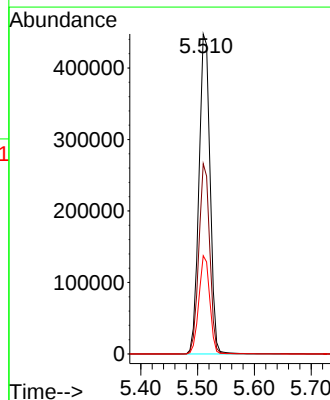
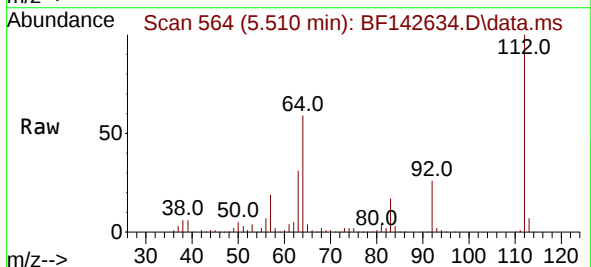
Instrument :
BNA_F
ClientSampleId :

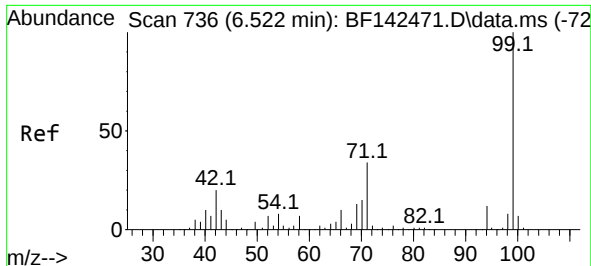
Tgt Ion:152 Resp: 123734
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 58.3 48.3 72.5



#5
2-Fluorophenol
Concen: 83.103 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Tgt Ion:112 Resp: 610336
Ion Ratio Lower Upper
112 100
64 59.5 47.5 71.3
63 30.7 24.9 37.3

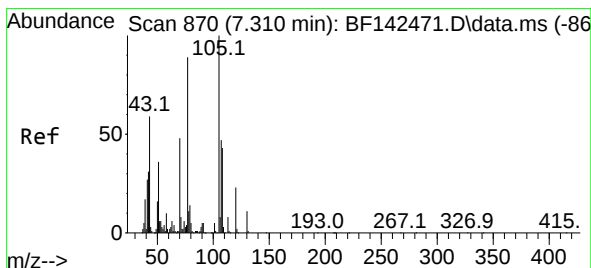
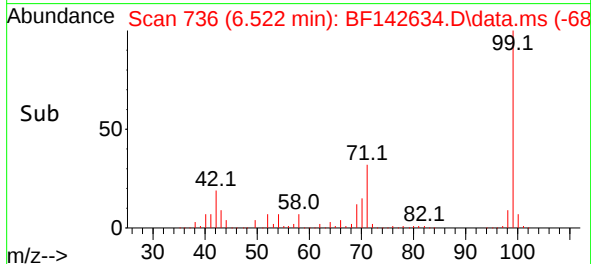
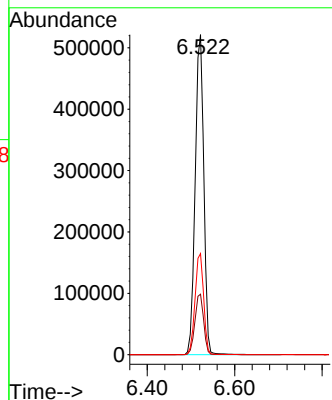
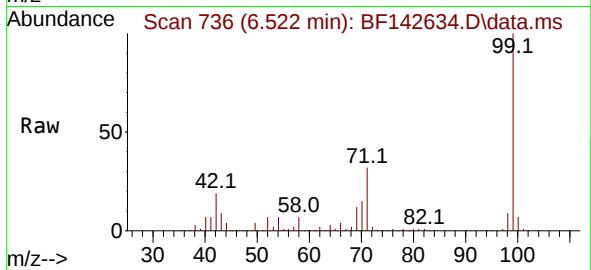




#7
Phenol-d6
Concen: 80.848 ng
RT: 6.522 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

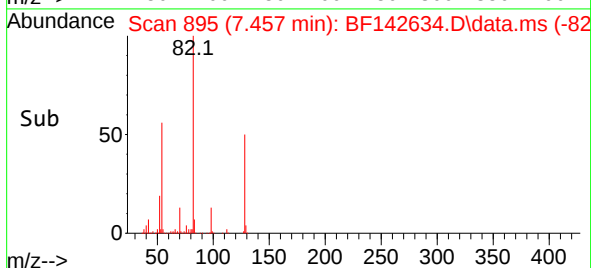
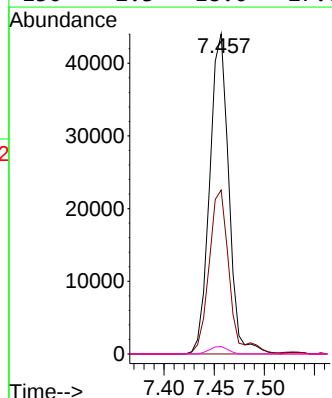
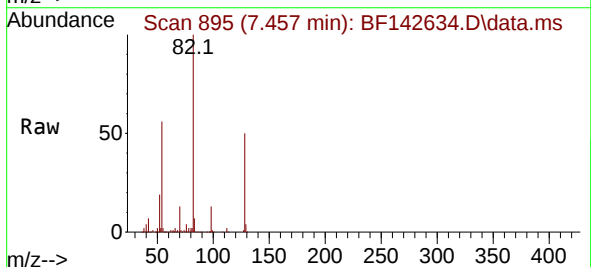
Instrument :
BNA_F
ClientSampleId :

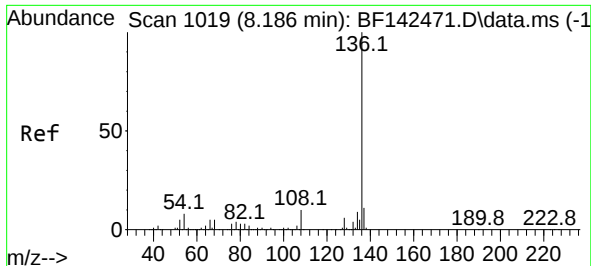
Tgt Ion: 99 Resp: 714762
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 31.6 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.674 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Tgt Ion: 70 Resp: 58483
Ion Ratio Lower Upper
70 100
42 51.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#

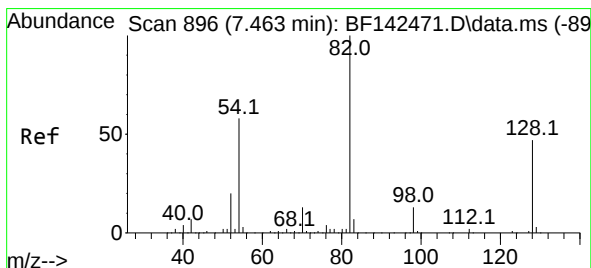
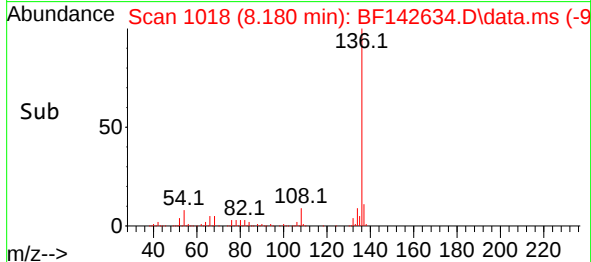
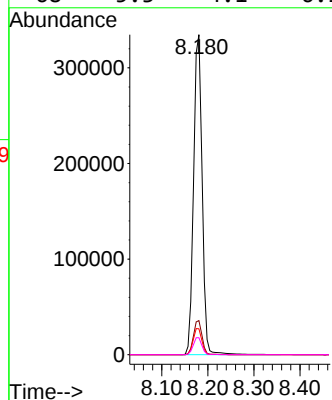
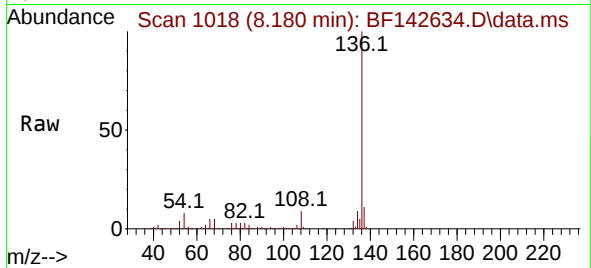




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

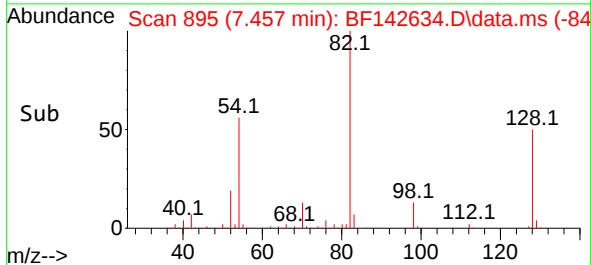
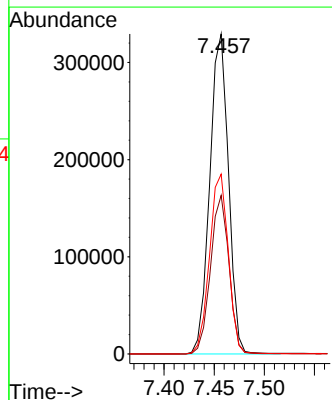
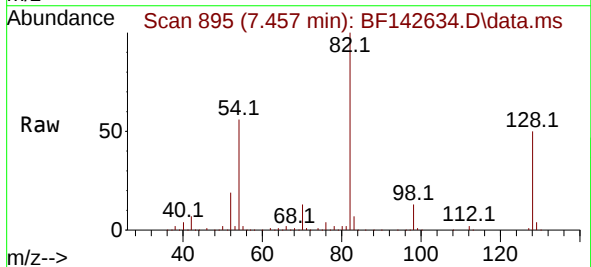
Instrument :
BNA_F
ClientSampleId :

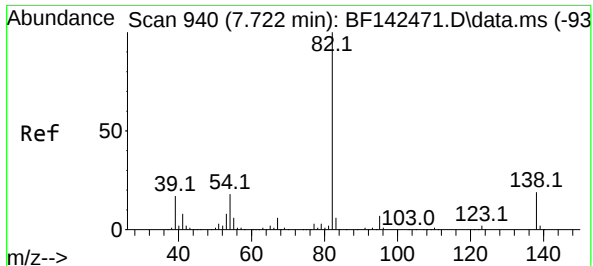
Tgt Ion:136 Resp: 430801
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.1 6.6 10.0
68 5.3 4.1 6.1



#23
Nitrobenzene-d5
Concen: 54.192 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

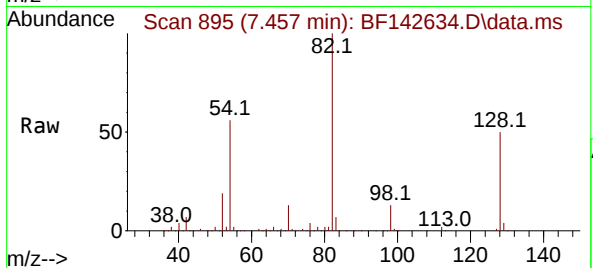
Tgt Ion: 82 Resp: 428137
Ion Ratio Lower Upper
82 100
128 49.5 37.4 56.2
54 56.2 46.6 70.0



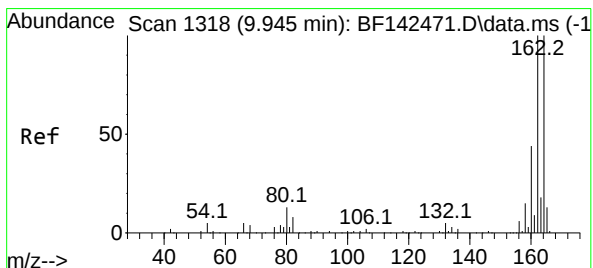
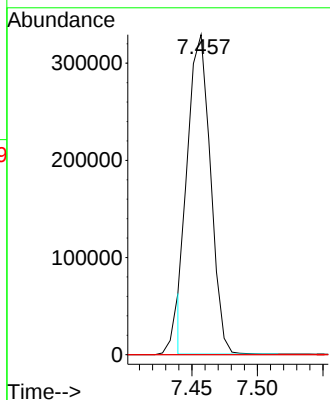
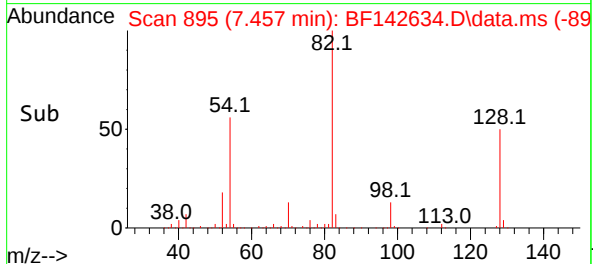


#25
Isophorone
Concen: 30.074 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

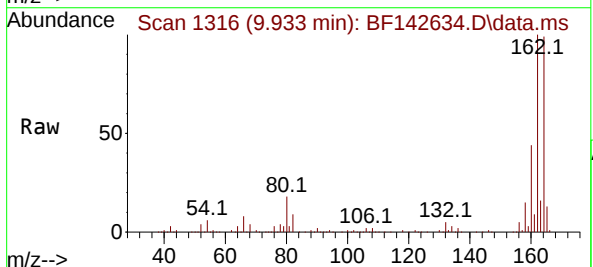
Instrument :
BNA_F
ClientSampleId :



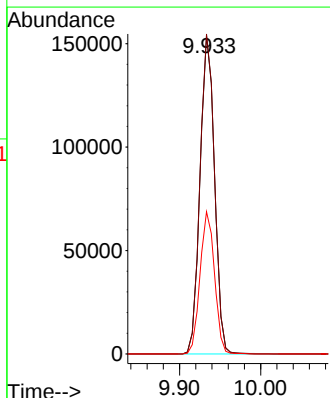
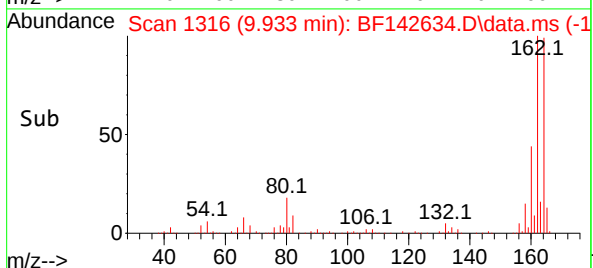
Tgt Ion: 82 Resp: 397251
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#

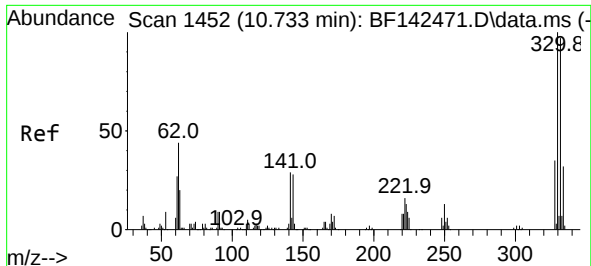


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06



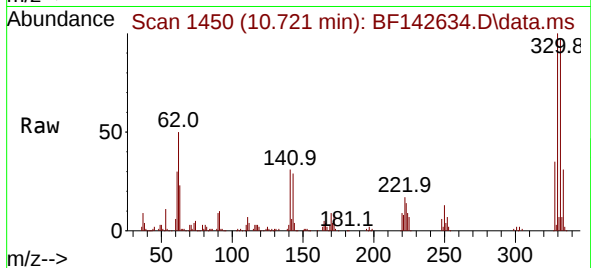
Tgt Ion:164 Resp: 190585
Ion Ratio Lower Upper
164 100
162 100.5 80.2 120.4
160 44.7 35.6 53.4



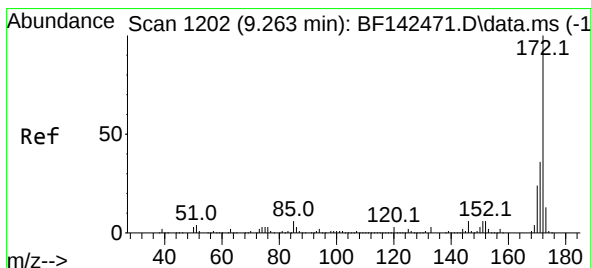
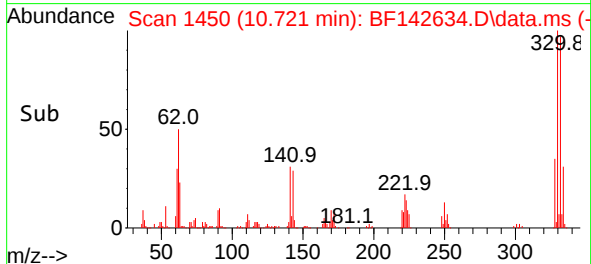
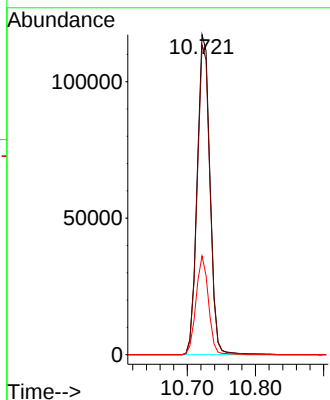


#42
2,4,6-Tribromophenol
Concen: 72.405 ng
RT: 10.721 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Instrument :
BNA_F
ClientSampleId :

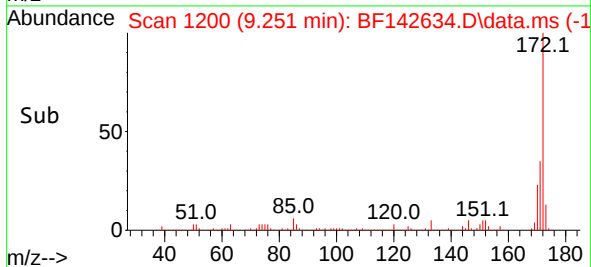
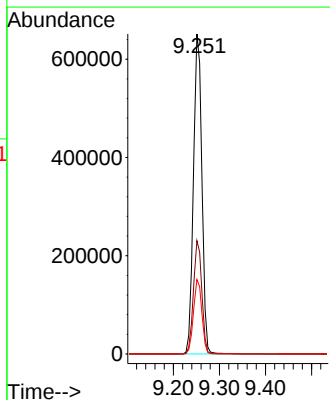
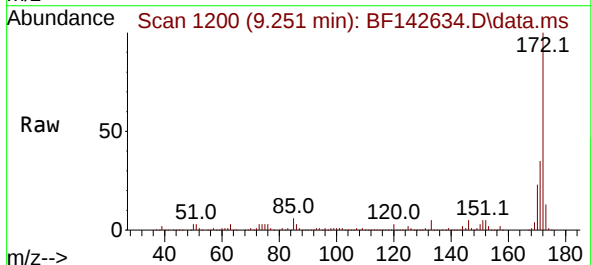


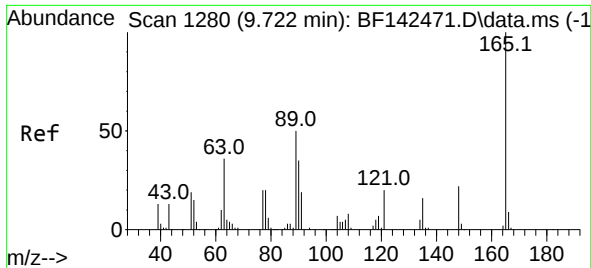
Tgt Ion:330 Resp: 153155
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 29.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 58.097 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Tgt Ion:172 Resp: 825150
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.178 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142634.D

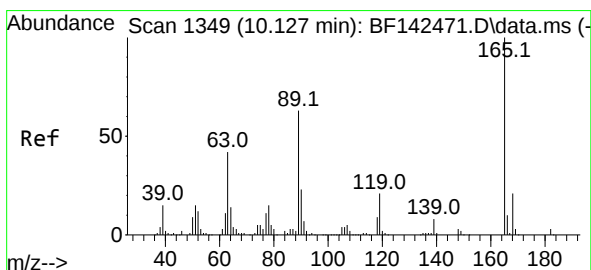
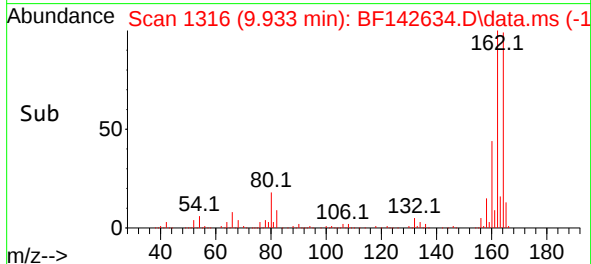
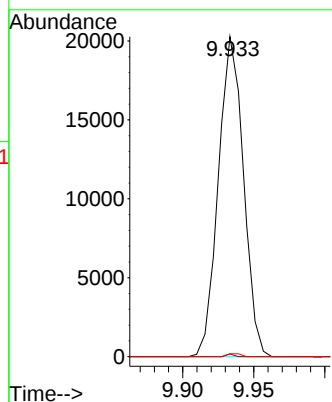
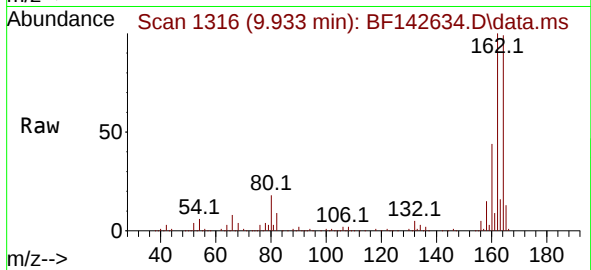
Acq: 05 Jun 2025 15:06

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165	Resp:	24912
Ion Ratio	Lower	Upper
165	100	
63	0.9	42.9 64.3#
89	0.9	40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 7.028 ng

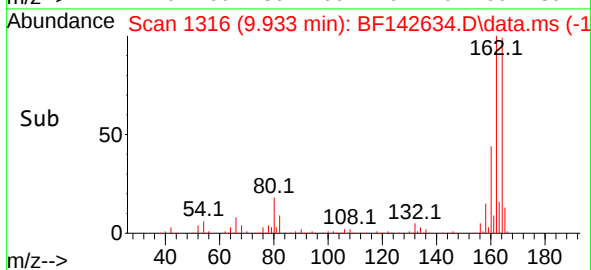
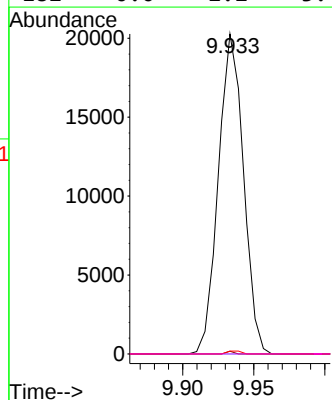
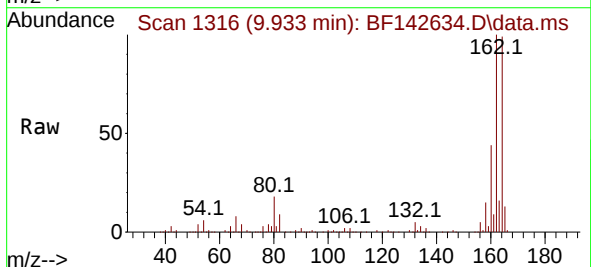
RT: 9.933 min Scan# 1316

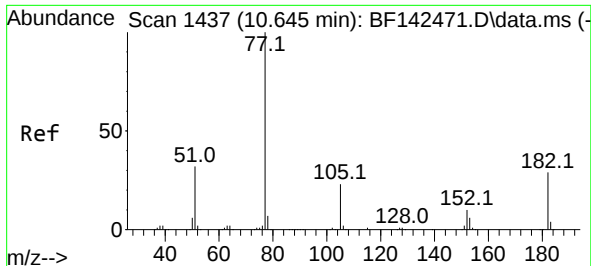
Delta R.T. -0.200 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

Tgt Ion:165	Resp:	24912
Ion Ratio	Lower	Upper
165	100	
63	0.9	33.6 50.4#
89	0.9	50.2 75.4#
182	0.0	2.2 3.4#

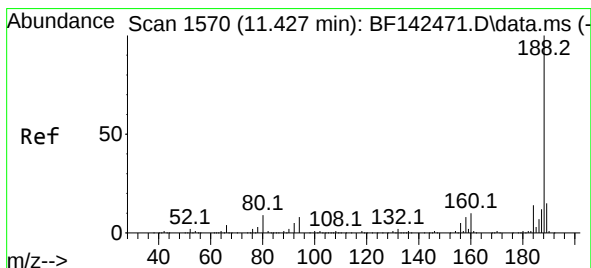
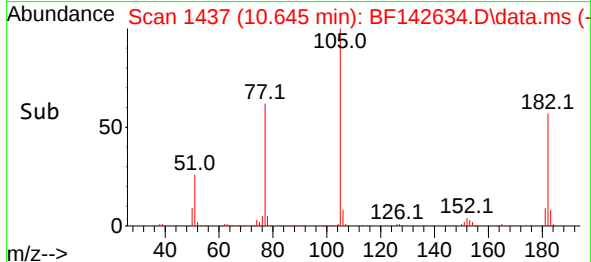
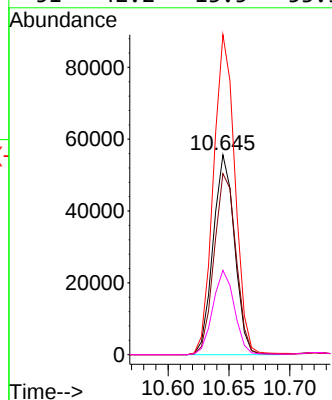
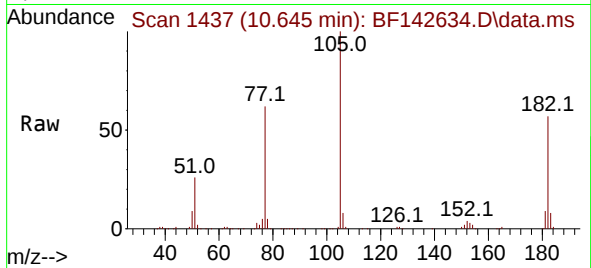




#63
Azobenzene
Concen: 6.205 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

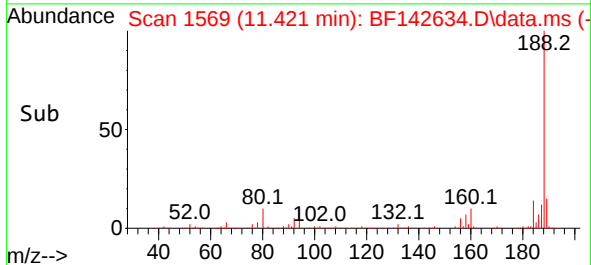
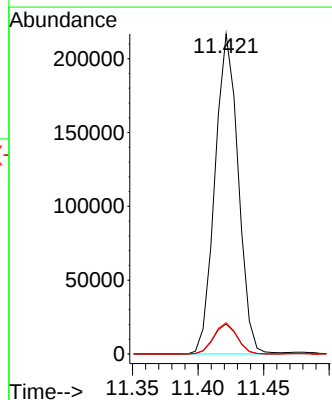
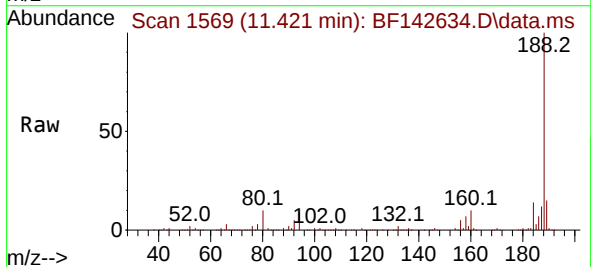
Instrument :
BNA_F
ClientSampleId :

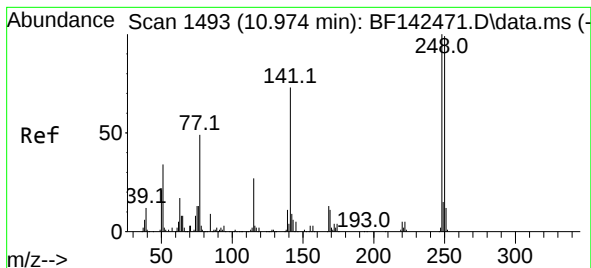
Tgt Ion: 77 Resp: 68454
Ion Ratio Lower Upper
77 100
182 90.6 9.0 49.0#
105 160.1 2.4 42.4#
51 42.2 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Tgt Ion:188 Resp: 267490
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 9.8 7.4 11.0

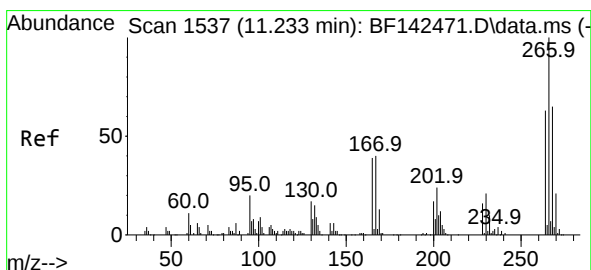
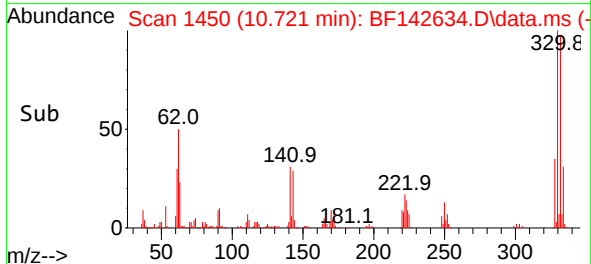
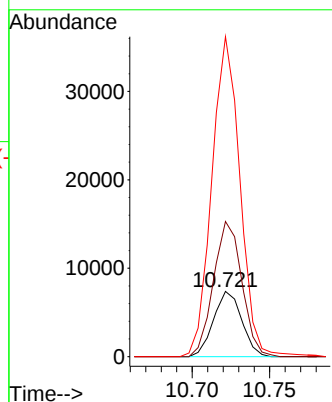
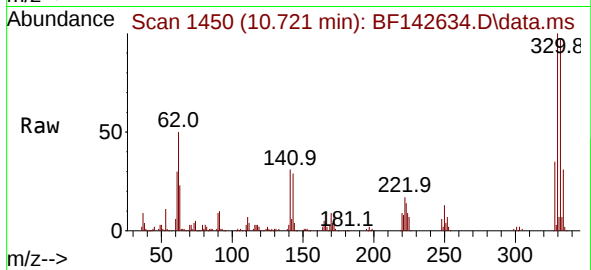




#67
4-Bromophenyl-phenylether
Concen: 2.957 ng
RT: 10.721 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

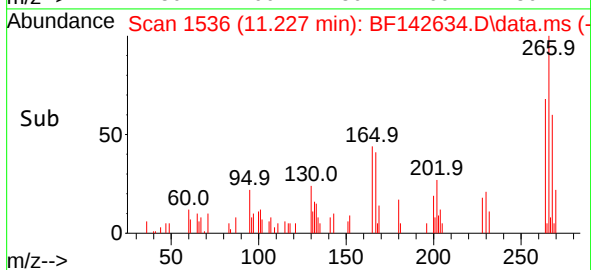
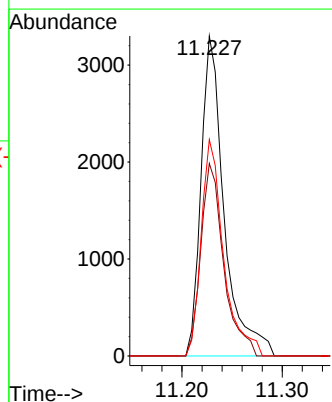
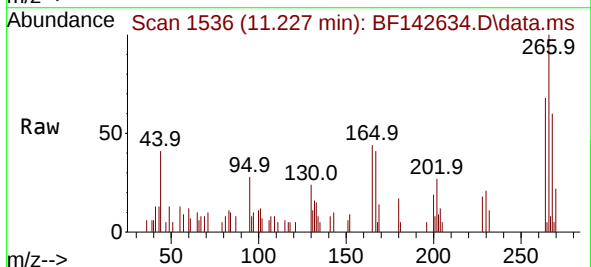
Instrument :
BNA_F
ClientSampleId :

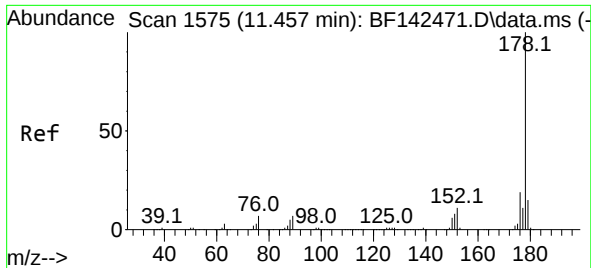
Tgt Ion:248 Resp: 9354
Ion Ratio Lower Upper
248 100
250 207.4 79.0 118.4#
141 490.7 58.4 87.6#



#70
Pentachlorophenol
Concen: 2.686 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Tgt Ion:266 Resp: 5304
Ion Ratio Lower Upper
266 100
268 60.2 51.7 77.5
264 67.6 50.4 75.6

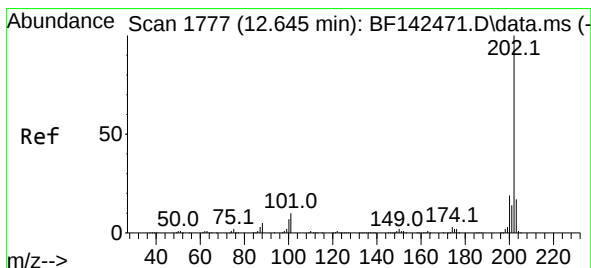
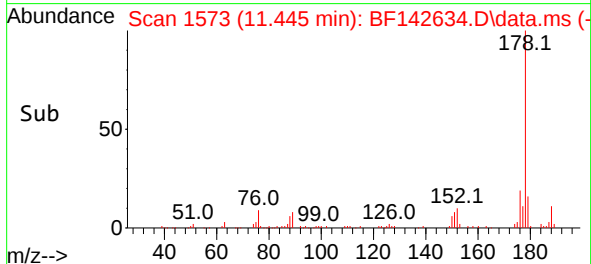
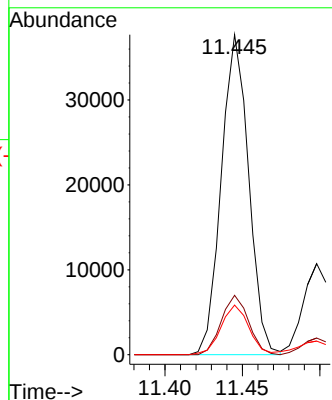
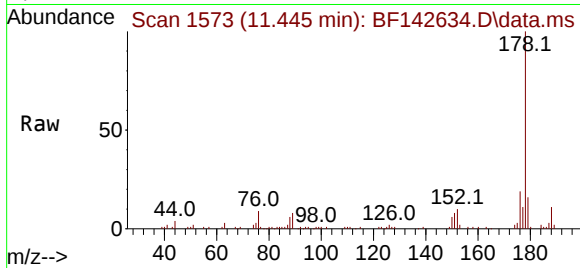




#71
Phenanthrene
Concen: 3.235 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

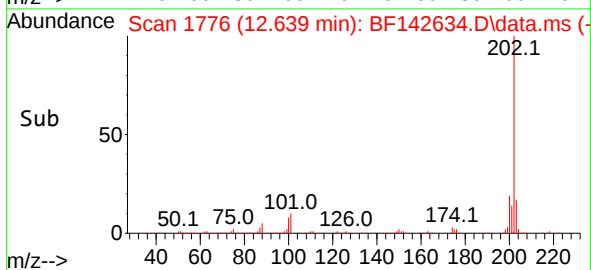
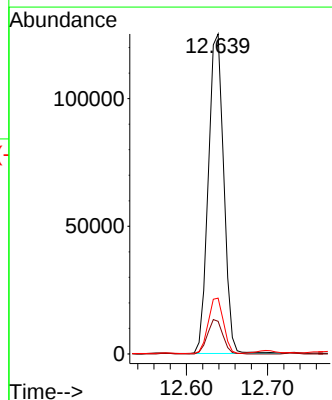
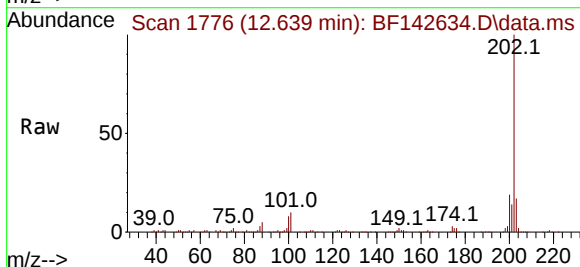
Instrument :
BNA_F
ClientSampleId :

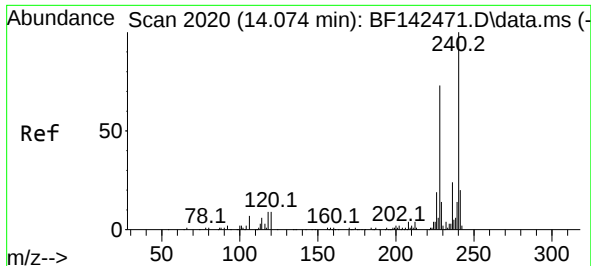
Tgt Ion:178 Resp: 46246
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.5 12.3 18.5



#75
Fluoranthene
Concen: 12.343 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

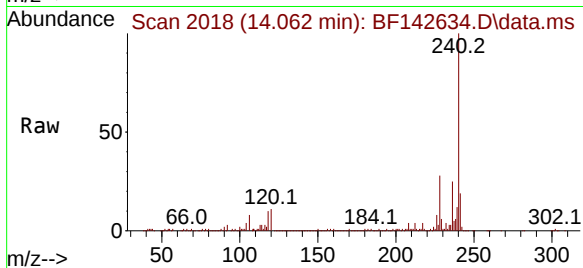
Tgt Ion:202 Resp: 164871
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.6
203 17.4 0.0 37.2



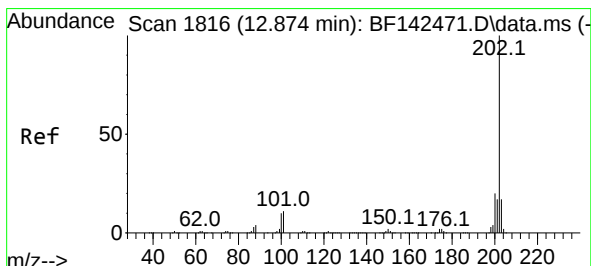
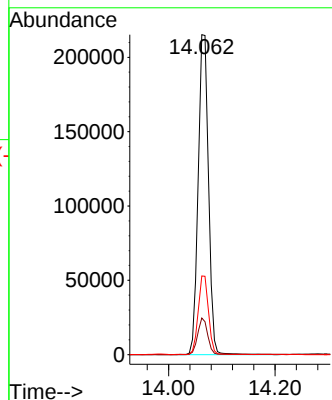
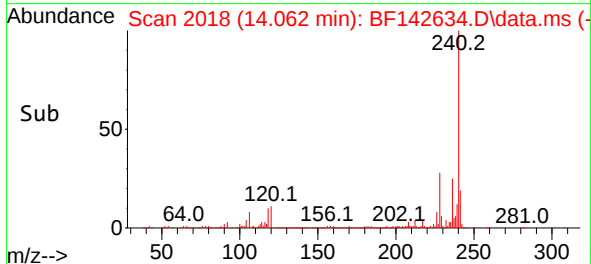


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

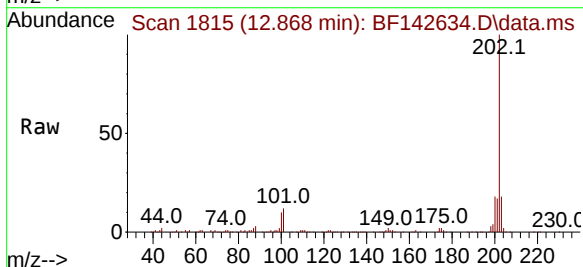
Instrument :
BNA_F
ClientSampleId :



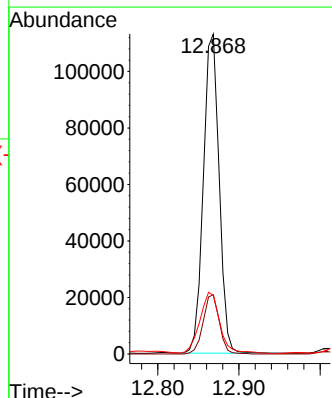
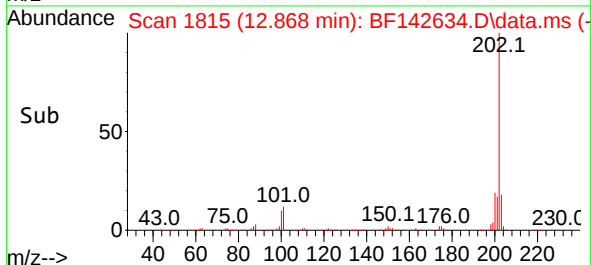
Tgt Ion:240 Resp: 290749
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 24.6 19.6 29.4

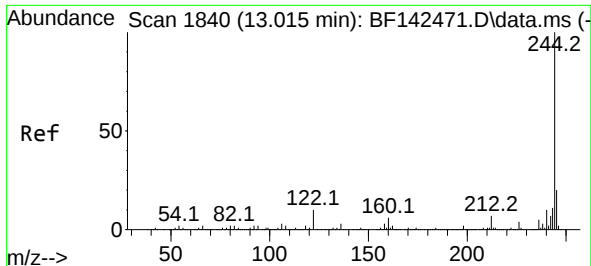


#78
Pyrene
Concen: 5.612 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06



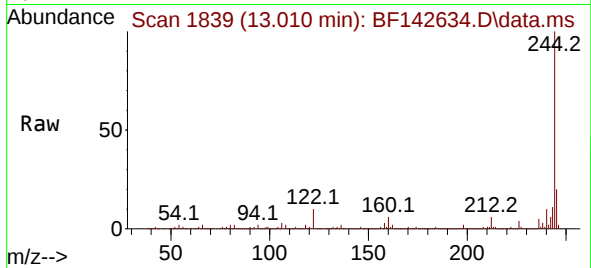
Tgt Ion:202 Resp: 152206
Ion Ratio Lower Upper
202 100
200 18.5 16.1 24.1
203 18.3 13.9 20.9



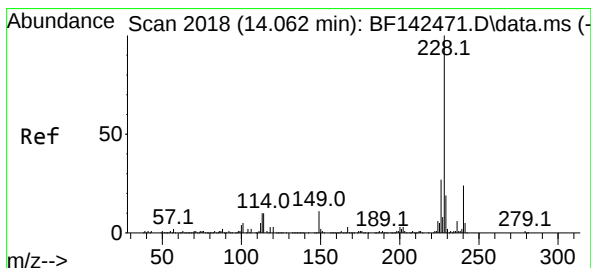
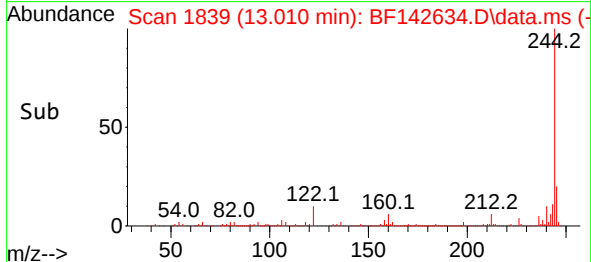
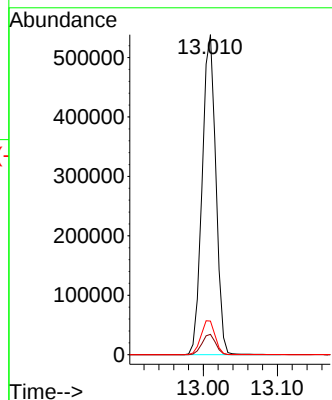


#79
 Terphenyl-d14
 Concen: 32.567 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142634.D
 Acq: 05 Jun 2025 15:06

Instrument :
 BNA_F
 ClientSampleId :

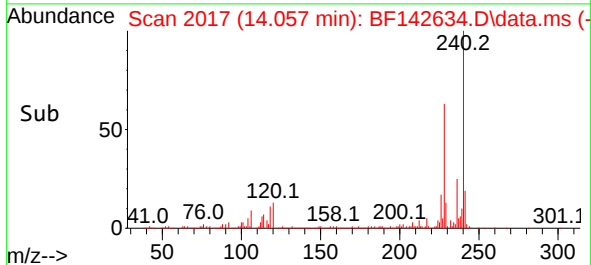
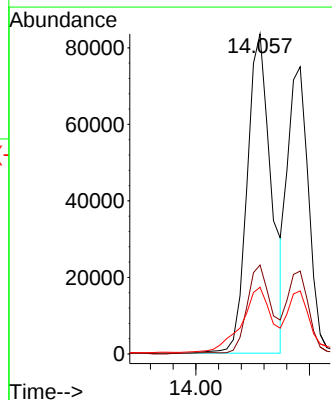
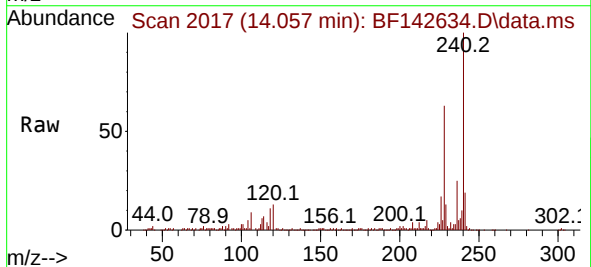


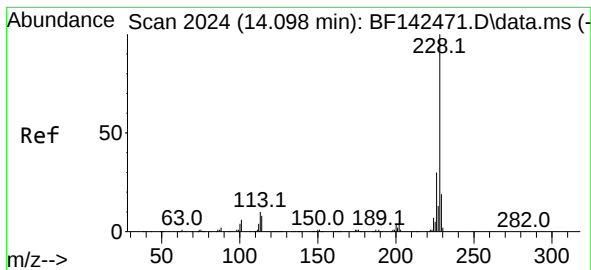
Tgt Ion:244 Resp: 692894
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.5 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 6.340 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142634.D
 Acq: 05 Jun 2025 15:06

Tgt Ion:228 Resp: 123096
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.2 31.8
 229 20.8 15.5 23.3





#83

Chrysene

Concen: 5.493 ng

RT: 14.092 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF142634.D

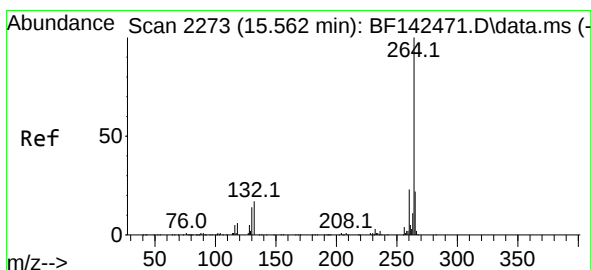
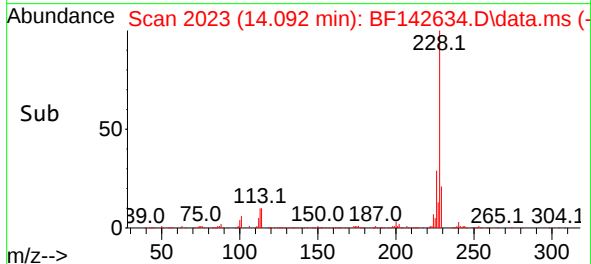
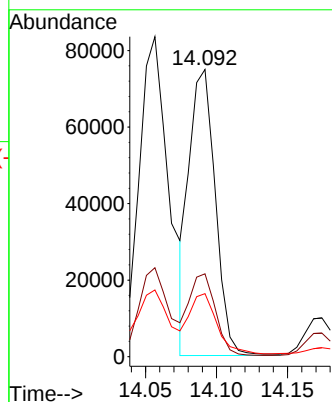
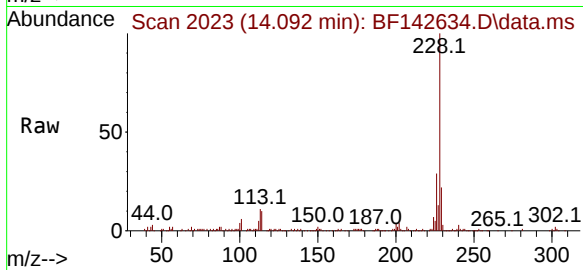
Acq: 05 Jun 2025 15:06

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp:	95826
Ion Ratio	Lower	Upper
228	100	
226	28.9	23.8 35.6
229	21.9	15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

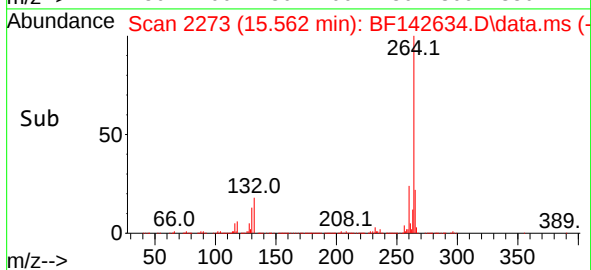
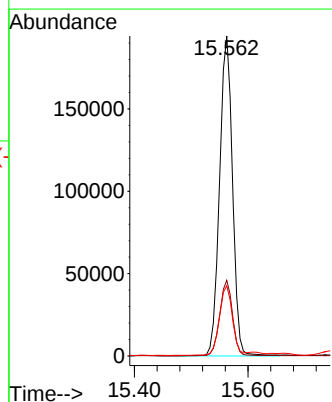
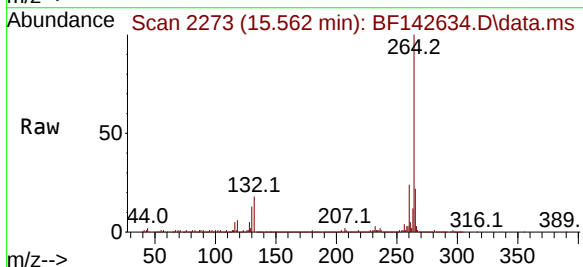
RT: 15.562 min Scan# 2273

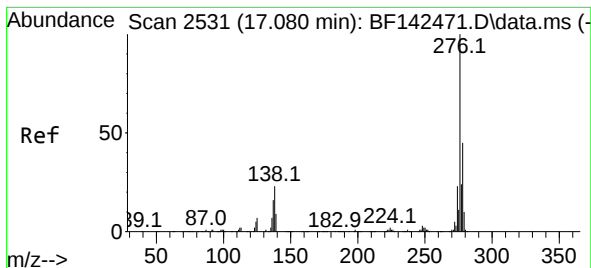
Delta R.T. -0.006 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

Tgt Ion:264	Resp:	308038
Ion Ratio	Lower	Upper
264	100	
260	23.7	18.6 28.0
265	22.0	17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.005 ng

RT: 17.062 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

Instrument :

BNA_F

ClientSampleId :

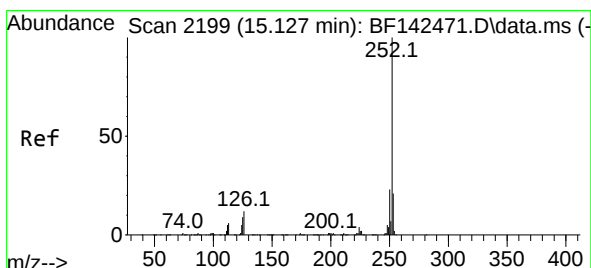
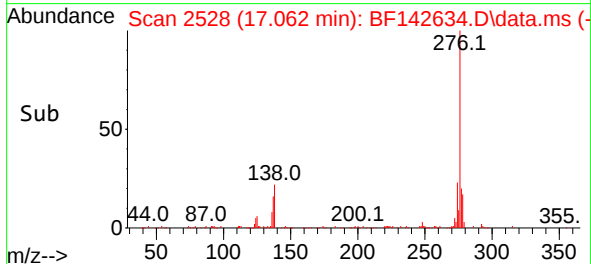
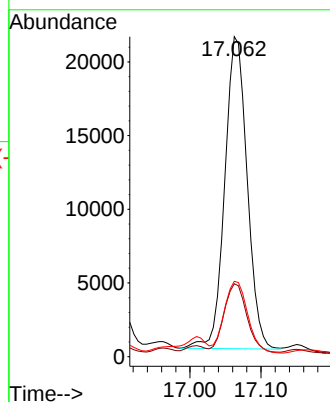
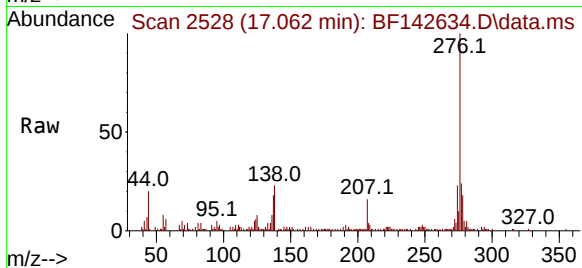
Tgt Ion:276 Resp: 46359

Ion Ratio Lower Upper

276 100

138 22.3 19.9 29.9

277 24.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.161 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

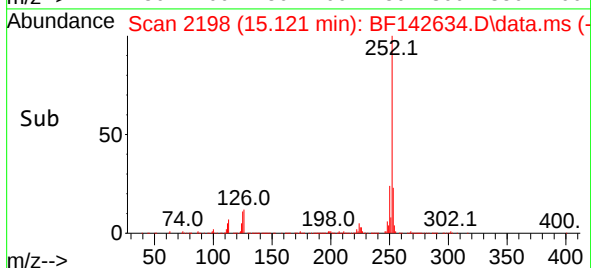
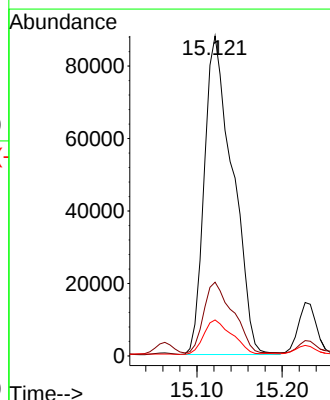
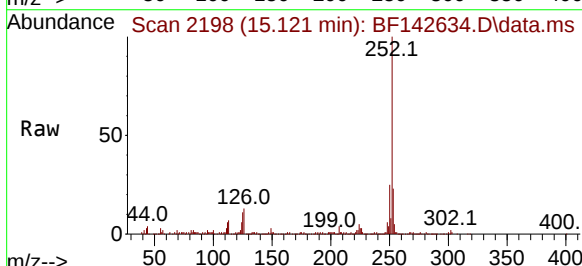
Tgt Ion:252 Resp: 203475

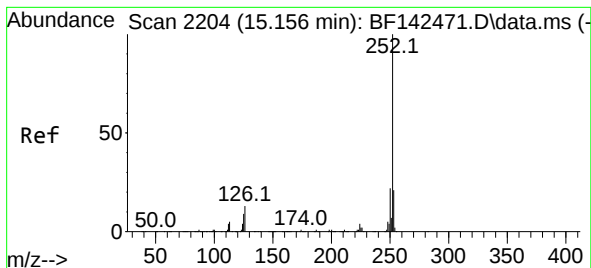
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 11.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 11.916 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

Instrument :

BNA_F

ClientSampleId :

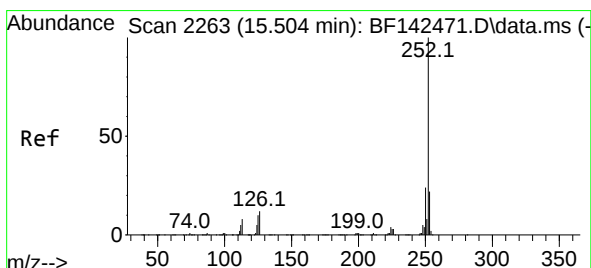
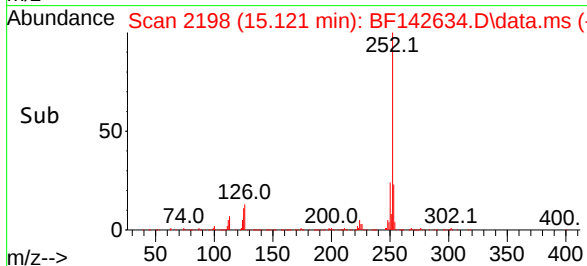
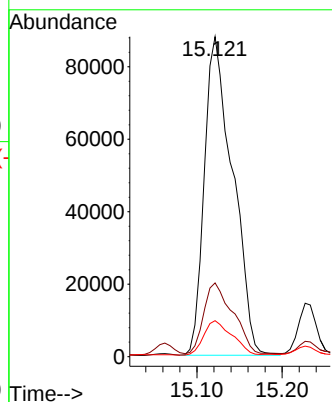
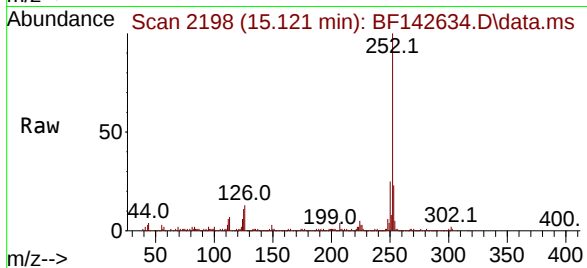
Tgt Ion:252 Resp: 203475

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 11.3 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 6.170 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.018 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

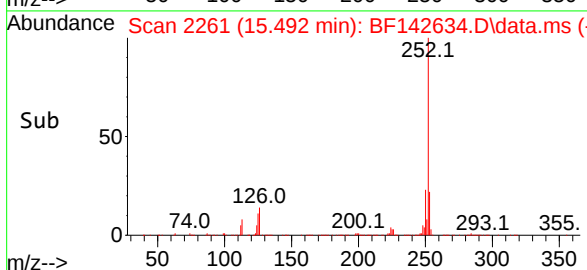
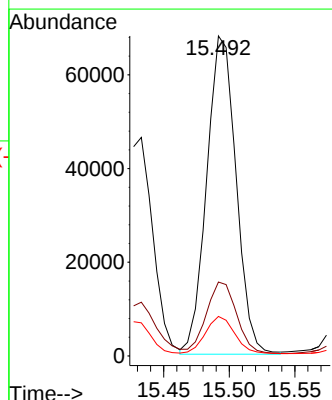
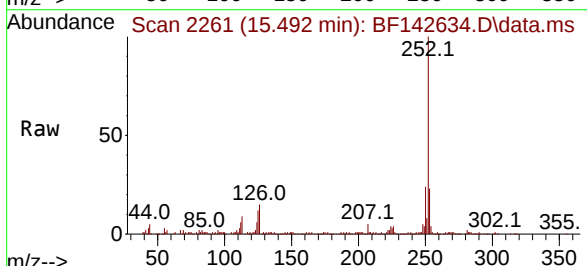
Tgt Ion:252 Resp: 106030

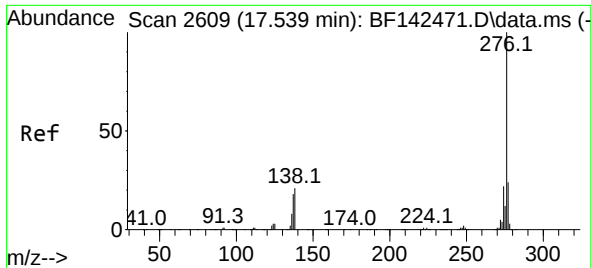
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

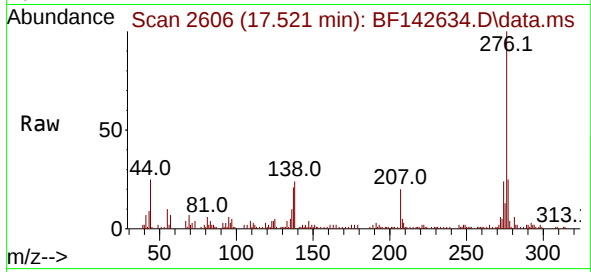
125 12.4 7.9 11.9#





#92
 Benzo(g,h,i)perylene
 Concen: 2.167 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF142634.D
 Acq: 05 Jun 2025 15:06

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	40658
Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	23.7	16.8	25.2

